Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. Third & Final Bill

Date.....2021

Zone: [redacted]MP,Yelahanka | Division:BBMP, Byatarayanapura | Sub-Division:Kodigehalli

Bill Received No. Dated Divisional / Sub-Divisional

Cash Book Voucher No.....Dated.....

Job Code: 007-18-000017, 007-18-000018, 007-18-000009, 007-18-000015

Schedule Docket No. Head of Account: P3292,3296,3294

Est.Cost: Rs.249.00 Lakhs

Name of Work :PACKAGE 3 INCLUDES 4 WORKS OF RS. 249.00 LAKHS 1.Improvements to CA sites providing Chain link fencing in Coffee board layout and surrounding areas in ward No.07, Byatarayanapura 3 Improvements to roads and footpaths Vinayaka Layout 1st stage, Vinayaka Layout 2nd stage and Amruthanagara in ward No.07, Byatarayanapura 4. Construction and Improvements of toilets in Sahakaranagar, Byatarayanapura surrounding areas in ward No. 07, Byatarayanapura

Name of the Contractor: Sri B.B.Umesh, #358/1, Near Anjaneya Temple, Bottahalasaru (P) , Bangalore North

Reference to Agreement No. EE/BTP/BBMP/WO/72/2018-19 Date: 26.07.2018

Certified that the measurements were taken by me on: 16/2/2021 and recorded of Pages 501246 to 501277 of measurement Book No. 5013/2019-20 and that work is satisfactorily executed.

Contractor

Officer-in-charge of work AE(Civil)

Certified that measurement were taken by me on 20/2/2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Accont have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Sub-Division Officer

1) Total value of work done or supplies made as per account within	Total	24716309	00
2) Deduct amount to be held in reserve being.....Percent Rs..... previous upto 2nd & past 3rd & Finance	→	23127309	00
3) " Balance	IT @	1609000	00
4) Deduct Payment:	I-1	16090	00
	CESS	14367	00
	Sess	14367	00
	Cess	16090	00
	CBF	1609	00
	LR	27177	00
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No..... adjusted towards cash advance recovery of			
b) Payments cost store or other material supplied. Now made recovery of amount creditable to this /other work			
Amount paid on this bill Cheque/Cash.			
5) Balance being unpaid value of work done held in reserve.			
6) Deduct cash advance made on the Office cash Book Voucher No..... dated .....less adjustments. Total Amount Adjusted -	Ded:	89700	00
7) Net amount due to or from Contractor unadjustments items.	Cheque	1519300	00
8) Advance to Contractor for materials brought to site (as detailed) within			
9) Value of Government materials supplied.			

P3292/P3294/P3296.

Received Rs.....(in words)... Contractor's Signature

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)

Witness
1
2

Dated Signature of Contractor

Stamp

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Head of Account 14th Finance Commision Works

Bill Passed for Rs. 1609000/-

Statutory Deductions Rs. 89700/- By Adjustment

Net Amount Paid Rs. 15,19,300/- By NEFT/RTGS

C/W

Account Superintendent
Byatarayanapura Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP
16/03

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Sl. No.	Items grouped under sub-heads and sub-works of the Estimate Description	Unit
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled round site breaking of clods complete as per specifications. MORTH / Chapter 3 Page No. 142 Item No. 19.1, PWD SR 2016-17	Cum
2	KSRB 2.8 - Providing and Filling in foundation with granite / trap broken metal 40mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications specification No. KBS Page No. 5 / Item No. 2, 0.5 PWD SR 2016-17	Cum
3	KSRB 4-1.2 - Providing and laying in position plain cement concrete of mix 1:3:6 with 240 cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.882cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2, P No. 12/ No. 4.2 of CSR 2016-17)	Cum
4	KSRB 5.2-3 - Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials labour curing complete as per specifications. KBS 5.1.13 Page No. 23 Item No. 5.6, PWD SR 2016-17	Cum
5	KSRB 5.2-3 - Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.6, PWD SR 2016-17 (With 8 % area Weightage	Cum
6	KSRB 5.3-3 - Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.9, PWD SR 2016-17	Cum
7	KSRB 5.3-3 - Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.9, PWD SR 2016-17 (With 8 % area Weightage)	Cum
8	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications Page No. 113 / Item No. 15.3, PWD SR 2016-17	Sqm
9	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.12, Item No. 4.6 PWD SR 2016-17	Cum

Previous Measurement			Present Measurement			Total Upto Date	
Qty	Rate Rs. P.	Amount	Qty	Rate Rs. P.	Amount	Qty	Cost
2355.52	200.00	471104.00	18.00	200.00	3600.00	2373.52	474704.00
88.7	2500.0	221737.50 → 221750.00	0.00	2500.0	0.00	88.70	221750.00 → 221737.50
297.51	6000.0	1785030.00 → 1785060.00	3.60	6000.0	21480.00 → 21600.00	301.11	1806510.00 → 1806660.00
207.18	5000.0	1035900.00	8.10	5000.0	40500.00	215.28	1076400.00
30.3	5109.0	154799.63 → 154802.70	19.30	5109.0	98603.70	49.60	253403.33 → 253406.40
95.18	5994.0	570508.92	6.08	5994.0	36383.58 → 36443.52	101.26	606892.50 → 606952.44
25.64	6108.0	156612.48 → 156609.12	7.97	6108.0	48680.76	33.61	205293.24 → 205289.88
324.9	117.0	38013.30	27.00	117.0	3159.00	351.90	41172.30
31.83	6517.0	207436.11	4.04	6517.0	26328.68	35.87	233764.79

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10	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) Page No. 262 / Item No. 37.2, PWD SR 2016-17	Mtr	3682 / 385.20	981.0	377881.20	0.00	981.0	0.00	385.20	377881.20
11	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. Page No. 262 / Item No. 37.4, PWD SR 2016-17	Cum	1059	388.0	410892.00	0.00	388.0	0.00	1059.00	410892.00
12	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint Page No. 262 / Item No. 37.3, PWD SR 2016-17	Sqm	655.20 / 515.1	789.0	514953.00 / 406413.90	0.00	789.0	0.00	515.10 / 655.20	514953.00 / 406413.90
13	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. Page. No. 43 / Item. No. 7.37 PWD SR 2016-17	Sqm	25.56	3514.0	89817.84	0.00	3514.0	0.00	25.56	89817.84
14	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete Page No. 25 / Item No. 5.30 PWD SR 2016-17	Nos	2071	374.0	774554.00	0.00	374.0	0.00	2071.00	774554.00
15	KSRRB M2100-9 Sand Filling in Foundation Trenches as per Drawing & Technical SpecificationMORTH Specification No. 304 Item No. 27.17 Page No. 217, PWD SR 2016-17	Cum	349.75	3302.0	1154874.50	0.00	3302.0	0.00	349.75	1154874.50
16	KSRB 14.6-1 Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS. (P.No. 101, I.No. 14.6 of CSR 2016-17)	Sqm	1691	1092.0	1846572.00	0.00	1092.0	0.00	1691.00	1846572.00
17	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Page No. 122 / Item No. Item No. 15.80, PWD SR 2016-17	Sqm	318.15	31.0	9862.65	0.00	31.0	0.00	318.15	9862.65

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18	KSRB 15-19.2 : Providing and applying / asbestos cement sheet / plastered priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.Page No. 122 / Item No. Item No. 15.81, PWD SR 2016-17	Sqm
19	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202 Page No. 137 / Item No. 18.19, PWD SR 2016-17	Cum
20	KSRRB M200-14.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. ii) Dismantling brick/Tile work B. In cement mortar. MORTH Specification No. 202 Page No. 137 / Item No. 18.23, PWD SR 2016-17	Cum
21	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing , main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Page No. 18, Item No. 4.48, PWD SR 2016-17	Cum
22	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing , main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Page No. 18, Item No. 4.48, PWD SR 2016-17 (with 8% area Weightage)	Cum
23	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17	Tonne
24	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17 (with 8% area weightage)	Tonne
25	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No. 15 / Item No. 4.31 PWD SR 2016-17	Sqm

8.15	79.0	25133.85	0.00	79.0	0.00	318.15	25133.85
3.42	1224.0	4186.08	0.00	1224.0	0.00	3.42	4186.08
14.49	292.0	4231.08	0.00	292.0	0.00	14.49	4231.08
115.99	7000.0	811930.00	0.00	7000.0	0.00	115.99	811930.00
46.24	7174.0	331726.75 331725.76	19.97 19.96	7174.0	143264.78 143193.06	66.21	474990.54 474919.79
18.21	72595.0	1321859.95 1321954.95	0.00	72595.0	0.00	18.21	1321954.95 1321859.95
4.62	73964.0	342020.39 341713.68	2.39	73964.0	176773.96	7.01	518487.64 518794.35
2288.42	350.0	800947.00	0.00	350.0	0.00	2288.42	800947.00

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26	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No. 15 / Item No. 4.31 PWD SR 2016-17 (with 8% area weightage)	Sqm
27	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 Page No. 25 / Item No. 5.26.2, PWD SR 2016-17	Sqm
28	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 Page No. 25 / Item No. 5.26.2, PWD SR 2016-17 (With 8 % area weightage)	Sqm
29	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114 / Item No. 15.17, PWD SR 2016-17 (Outside Wall)	Sqm
30	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114 / Item No. 15.17, PWD SR 2016-17 (Outside Wall) (With 8 % area weightage) **Qty upto 125%**	Sqm
	Qty Above 125%	Sqm
31	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. Page No. 117 / Item No. 15.53.2, SR 2016-17.	Sqm
32	Removing and refixing stone slabs of drains and pointing in CM (1:3) Page No. 25 / Item No. 5.33 PWD SR 2016-17	Sqm
33	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete Page No. 25 / Item No. 5.31.1 PWD SR 2016-17	Sqm

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36	Providing precast slab of 100 mm thick including curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm	810	2057.0	1666170.00	0.00	2057.0	0.00	810.00	1666170.00
37	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Provlding, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 Page No. 158 / Item No. 20.18, PWD SR 2016-17	Cum	287.68	1997.0	574496.96	0.00	1997.0	0.00	287.68	574496.96
38	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 Page No. 161 / Item No. 21.7m PWD SR 2016-17	Sqm	6493.1	13.0	84410.30	0.00	13.0	0.00	6493.10	84410.30
39	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen Page No. 165 / Item No. 21.22.6, PWD SR 2016-17	Cum	259.72	8000.0	2077760.00	0.00	8000.0	0.00	259.72	2077760.00
40	KSRRB MS00-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 Page No. 184, Item No. 24.15 PWD SR 2016-17	Sqm	185.2 210.40	613.0	128975.20 113527.60	0.00	613.0	0.00	185.20 210.40	113527.60 128975.20
41	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 Page No. 5 / Item No. 2.3 of PWD SR 2016-17	Cum	175.73	230.0	40417.90	63.59	230.0	14625.70	239.32	55043.60 .32
42	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.12, Item No. 4.3 of PWD SR 2016-17	Cum	35.53	5900.0	209623.98 209627.00	12.68	5900.0	74812.00	48.21	284435.98 284439.00
43	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, Page No. 6 / Item No. 2.10 / PWD SR 2016-17	Cum	175.73	154.0	27062.42 .27	27.31	154.0	4205.74	203.04	31268.16 .01
44	KSRB 15.1.2 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications Page No. 113 / Item No. 15.2, PWD SR 2016-17	Sqm	120.44	115.0	13850.60 .37	34.04	115.0	3914.60	154.48	17765.20 17764.97

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45	mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114, Item No. 15.21 of PWD SR 2016-17	Sqm	69.96	235.0	16439.95 16440.60	31.15 31.16	235.0	7320.25 7322.60	101.11 101.12	23760.20 23763.20
46	KSRB15-3.12 :Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114, Item No. 15.21 of PWD SR 2016-17 (Inside Plastering) **Qty upto 125%**	Sqm	131.49	253.0	33266.97	32.87	253.0	8316.11	164.36	41583.08
	Qty Above 125%	Sqm	0	307.24	0.00	180.69	307.24	55515.20	180.69	55515.20
47	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Page No. 115, Item No. 15.33. PWD SR 2016-17 **Qty upto 125%**	Sqm	229.59	30.0	6887.70	57.40	30.0	1722.00	286.99	8609.70
	Qty Above 125%	Sqm	0	38.71	0.00	115.89	38.71	4486.10	115.89	4486.10
48	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Page No. 117 / Item No. 15.49.1, PWD SR 2016-17 **Qty upto 125%**	Sqm	361.08	86.0	31052.88	90.27	86.0	7763.22	451.35	38816.10
	Qty Above 125%	Sqm	0	133.06	0.00	83.02	133.06	11046.64	83.02	11046.64
49	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. Page No. 117 / Item No. 15.53.2. SR 2016-17. **Qty upto 125%**	Sqm	261.63	102.0	26686.26	153.03	102.0	15609.06	414.66	42295.32
	Qty Above 125%	Sqm	0	123.38	0.00	140.83	123.38	17375.61	140.83	17375.61
50	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. Page No.106, Item No. 14.36.2, PWD SR 2016-17	Sqm	67.11	1400.0	93958.55 93954.00	31.16	1400.0	43624.00	98.27	137578.00 137582.55
51	KSRB 7.1 : Providing and fixing in position collapsible steel shutters with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5cms openings at 10 cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications. size of gate 2.4mx1.4m. Specification No. KBS 7.7 / 7.12 Page No. 30, Item No. 7.1, PWD SR 2016-17	Sqm	16.59	4850.0	80461.50	0.00	4850.0	0.00	16.59	80461.50
52	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 15x15 cms 6mm thick	Sqm	361.33	1270.0	458889.10 .35	145.16	1270.0	184353.20	506.49	.35 643242.30

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53	PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size Page No. 56, Item No. 9.84, PWD SR 2016-17	Sqm
54	SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges. Page No. 56, Item No. 9.83, PWD SR 2016-17	Sqm
55	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinerycomplete as	Sqm
56	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.96, I.No. 13.86.2 of PWD SR 2016-17)	Mtr
57	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spat & the cost of cutting chases & making good the same including	Mtr
58	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 12.5cms x 7.5cms Page No. 88, Item No. 12.113.2, PWD SR 2016-17	Each
59	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. (P.No. 88, I.No. 12.111 of PWD SR 2016-17)	Each
60	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.91/ I.No. 13.34 of CSR 2016-17)	Each

30.45	641.0	19518.45	12.60	641.0	8076.60	43.05	27595.05
30.45	3850.0	117232.50	12.60	3850.0	48510.00	43.05	165742.50
10.8	4308.0	46526.40	1.56	4308.0	6720.48	12.36	53246.88
197	256.0	50432.00	50.00	256.0	12800.00	247.00	63232.00
197	305.0	60085.00	60.00	305.0	18300.00	257.00	78385.00
19	347.0	6593.00	10.00	347.0	3470.00	29.00	10063.00
19	195.0	3705.00	8.00	195.0	1560.00	27.00	5265.00
37	732.0	27084.00	2.00	732.0	1464.00	39.00	28548.00

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61	ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 Page No. 93,Item No. 13.70.6, PWD SR 2016-17 **Qty upto 125%**	Mtr	37	649.0	24013.00	25.50	649.0	16549.50	62.50	40562.50
	Qty Above 125%		0	672.54	0.00	24.50	672.54	16477.23	24.50	16477.23
62	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS (P.No. 73/ I.No.11.50 of PWD SR 2016-17)	Nos	33	8500.0	280500.00	1.00	8500.0	8500.00	34.00	289000.00
63	KSRB 11-11.8 : Providing and fixing white vitreous china clay, surgeon type wash basin size 660x460mm with a pair of 15mm C.P brass pillar taps with pair of elbow operated levers, C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. KBS 11 Page No. 81, Item No. 12.30, PWD SR 2016-17	Unit	12	5588.0	67056.00	3.00	5588.0	16764.00	15.00	83820.00
64	KSRB13-6.1-3 : Providing and fixing in position brass bib cock of approved quality 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3. (P.No.91/ I.No. 13.25 of CSR 2016-17)	Each	30	335.0	10050.00	20.00	335.0	6700.00	50.00	16750.00
65	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 77, I.No.12.2 of PWD SR 2016-17)	Each	16	5291.0	84656.00	3.00	5291.0	15873.00	19.00	100529.00
66	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification No.KBS 13.22 Page No. 94, Item No. 13.78, PWD SR 2016-17	Nos	6	10333.0	61998.00	1.00	10333.0	10333.00	7.00	72331.00
67	KSRB 11-15 3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (P.No 82, I.No. 12.41 of PWD SR 2016-17)	Unit	6	1440.0	8640.00	3.00	1440.0	4320.00	9.00	12960.00
E1	KSRB 11-5 : Providing and fixing white vitreous china clay, watercloset European type (Pedestal type, P-trap) with black solidplastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials,	Unit	0	5994.78	0.00	5.00	5994.78	29973.90	5.00	29973.90

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E2	KSRRB M200-12.1. Dismantling of existing structures like [illegible] retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications By Mechanical Means. A. Cement Concrete Grade M-15 & M-20.	Cum
E3	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50HZ, AC supply complete 12" Sweep (300mm) Item No 7.2.1, Electrical SR 2019-20	Unit
E4	KSRB 11-7.4 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern,C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	Unit
E5	Providing and laying flooring using prepolished, gang saw/water cut 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications. -do- using silver grey granite / Multy Red / Ruby Red / Black / Hassan Green / River Pink Granite of width not less than 1200mm	Unit
	Total	

0	540.69	0.00	57.58	540.69	31132.93	57.58	31132.93
0	2100.00	0.00	3.00	2100.00	6300.00	3.00	6300.00
0	8577.27	0.00	4.00	8577.27	34309.08	4.00	34309.08
0	3313.09	0.00	4.80	3313.09	15902.83	4.80	15902.83
		23000931.53			**1720226.67**		**24721158.20**

23127309 Excess paid 1719811.00 110755.17 1609055.83 24847120

CRTIFICATE:

1. Certified that the above work done satisfactory and no materials issued from Departmentally

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

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